# WORLD

## MINE PRODUCTION OF

# GOLD

## 1982 - 1986

THE GOLD INSTITUTE/L'INSTITUT DE L'OR
1001 Connecticut Ave., N.W., Washington, D.C. 20036 U.S.A.

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Washington, D.C. 20036

# WORLD MINE PRODUCTION OF GOLD

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With the excellent cooperation of mining and related enterprises throughout the world, The Gold Institute/l'Institut de l'Or has prepared this report on the World Mine Production of Gold. Mine production is defined as the gold produced from underground, surface, and alluvial sources.

Totals in thousands of troy ounces are given for each of the 57 countries known to produce at least one thousand troy ounces of gold annually from these sources.

The countries are arranged in the order of size of their projected production in 1984. For each country, actual production in 1982 is given, as well as estimated or projected production for each of the years 1983, 1984, 1985, and 1986.

The equivalents in metric tons, as well as the percentages of change from the previous years are shown for the world totals.

An additional summary of the 57 known gold producing countries of the world divides their production figures into four parts: those of the largest producing country, the second largest producing country, the total of the four next largest producing countries, and the total of all the 51 other producing countries.

Following the presentation of the gold production figures are the names of the mining and related enterprises which cooperated by providing information for this study, listed alphabetically by country.

The figures in this report are based on the latest gold mining estimates available to us in January 1984, and reflect revisions of estimates and projections in our previous publication of January 1983.

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January 1984

**THE GOLD INSTITUTE / L'INSTITUT DE L'OR**
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1001 Connecticut Ave., N.W. — Suite 1140
Washington, D.C. 20036

# MINE PRODUCTION OF GOLD

## IN THOUSANDS OF TROY OUNCES

| COUNTRY | ---ACTUAL--- | ----------PROJECTED---------- | | | |
|---|---|---|---|---|---|
| | 1982 | 1983 | 1984 | 1985 | 1986 |
| South Africa | 21,355 | 21,863 | 22,184 | 22,505 | 22,505 |
| Soviet Union | 9,500 | 9,100 | 9,200 | 9,400 | 9,600 |
| Canada | 2,081 | 2,280 | 2,483 | 2,742 | 2,886 |
| Brazil | 803 | 1,421 | 1,920 | 2,581 | 2,581 |
| China, People's Republic of | 1,770 | 1,830 | 1,900 | 2,000 | 2,150 |
| United States | 1,447 | 1,848 | 1,889 | 2,471 | 2,611 |
| Australia | 859 | 941 | 1,037 | 1,014 | 1,023 |
| Philippines | 835 | 821 | 913 | 863 | 944 |
| Papua New Guinea | 572 | 582 | 713 | 1,160 | 857 |
| Chile | 544 | 576 | 604 | 614 | 521 |
| Zimbabwe | 430 | 430 | 430 | 430 | 430 |
| Colombia | 404 | 409 | 412 | 450 | 450 |
| Dominican Republic | 379 | 354 | 333 | 322 | 311 |
| Ghana | 330 | 305 | 323 | 332 | 355 |
| Mexico | 210 | 207 | 249 | 258 | 268 |
| Peru | 225 | 240 | 240 | 240 | 240 |
| North Korea | 160 | 160 | 164 | 166 | 168 |
| Yugoslavia | 145 | 150 | 155 | 160 | 165 |
| Spain | 110 | 120 | 115 | 104 | 104 |
| Japan | 104 | 102 | 101 | 246 | 246 |
| Sweden | 77 | 103 | 99 | 112 | 111 |
| India | 73 | 80 | 89 | 92 | 92 |
| Zaire | 65 | 70 | 75 | 75 | 75 |
| Bolivia | 40 | 45 | 75 | 85 | 95 |
| Indonesia | 72 | 73 | 70 | 70 | 70 |
| Romania | 65 | 67 | 68 | 70 | 72 |
| France | 43 | 52 | 55 | 55 | 55 |
| Fiji | 43 | 37 | 46 | 50 | 50 |
| South Korea | 35 | 35 | 35 | 35 | 35 |
| Nicaragua | 30 | 30 | 30 | 30 | 30 |
| Costa Rica | 17 | 20 | 25 | 40 | 50 |
| Argentina | 20 | 20 | 20 | 20 | 20 |
| Finland | 20 | 21 | 19 | 18 | 15 |
| Venezuela | 18 | 18 | 18 | 18 | 18 |
| Portugal | 10 | 8 | 14 | 16 | 16 |
| Ethiopia | 13 | 13 | 13 | 13 | 13 |
| Liberia | 13 | 13 | 13 | 13 | 13 |
| Taiwan | 11 | 11 | 12 | 12 | 12 |
| Zambia | 13 | 11 | 11 | 11 | 11 |
| Ecuador | 10 | 11 | 11 | 11 | 11 |

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| COUNTRY | --ACTUAL--- 1982 | PROJECTED 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|
| Guyana | 9 | 9 | 9 | 9 | 9 |
| Congo | 6 | 6 | 6 | 6 | 6 |
| Malaysia | 6 | 6 | 6 | 6 | 6 |
| New Zealand | 6 | 5 | 5 | 10 | 25 |
| French Guyana | 4 | 4 | 4 | 4 | 4 |
| German Federal Republic | 3 | 3 | 3 | 3 | 3 |
| Honduras | 2 | 2 | 2 | 2 | 2 |
| Mali | 2 | 2 | 2 | 2 | 2 |
| Gabon | 1 | 1 | 2 | 2 | 2 |
| El Salvador | 2 | 2 | 2 | 3 | 3 |
| Sudan | 1 | 1 | 1 | 1 | 1 |
| British Solomon Islands | 1 | 1 | 1 | 1 | 1 |
| Burma | 1 | 1 | 1 | 1 | 1 |
| Rwanda | 1 | 1 | 1 | 1 | 1 |
| Tanzania | 1 | 1 | 1 | 1 | 1 |
| Madagascar | 1 | 1 | 1 | 1 | 1 |
| Other African Countries | 1 | 1 | 1 | 1 | 1 |
| WORLD TOTAL | 42,999 | 44,524 | 46,210 | 48,958 | 49,348 |
| *Equivalent in metric tons* | *1,337* | *1,385* | *1,437* | *1,523* | *1,534* |
| Change from previous year | | +3.6% | +3.8% | +6.0% | +0.7% |

ADDITIONAL SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| South Africa | | | | | |
| Million Troy Ounces | 21.4 | 21.9 | 22.2 | 22.5 | 22.5 |
| *Equivalent in metric tons* | *666* | *681* | *690* | *700* | *700* |
| Change from previous year | | +2.3% | +1.5% | +1.4% | 0% |
| % of World Total | 49.8% | 49.2% | 48.0% | 46.0% | 45.6% |
| Soviet Union | | | | | |
| Million Troy Ounces | 9.5 | 9.1 | 9.2 | 9.4 | 9.6 |
| *Equivalent in metric tons* | *295* | *283* | *286* | *292* | *299* |
| Change from previous year | | -4.1% | +1.1% | +2.1% | +2.4% |
| % of World Total | 22.1% | 20.4% | 19.9% | 19.2% | 19.5% |
| Canada, China, U.S., Brazil | | | | | |
| Million Troy Ounces | 6.1 | 7.4 | 8.2 | 9.8 | 10.2 |
| *Equivalent in metric tons* | *190* | *230* | *255* | *305* | *317* |
| Change from previous year | | +20.5% | +11.4% | +19.6% | +3.9% |
| % of World Total | 14.2% | 16.6% | 17.7% | 20.0% | 20.0% |
| All 51 Other Countries | | | | | |
| Million Troy Ounces | 6.0 | 6.1 | 6.6 | 7.3 | 7.0 |
| *Equivalent in metric tons* | *187* | *190* | *205* | *227* | *218* |
| Change from previous year | | +3.3% | +7.9% | +10.7% | -4.0% |
| % of World Total | 13.6% | 13.7% | 14.3% | 14.9% | 14.2% |

CONTRIBUTORS OF INFORMATION
ON
WORLD MINE PRODUCTION OF GOLD

1982 - 1986

ARGENTINA

Secretaría de Industria y Minería
Buenos Aires

AUSTRALIA

Emperor Mines Limited
Mordialloc, Victoria
Kalgoorlie Mining Associates
Fimiston, Western Australia
Kia Ora Gold Corporation N.L.
Perth, Western Australia
Kitchener Mining N.L.
Perth, Western Australia
The Mount Lyell Mining &
Railway Company Limited
Queenstown, Tasmania
New Guinea Goldfields Limited
Sydney, New South Wales
Nolex Engineering Company Ltd.,
Perth, Western Australia
North Broken Hill Limited
Melbourne, Victoria
Peko-Wallsend Limited
Sydney, New South Wales
Western Mining Corporation Ltd.,
Melbourne, Victoria
Whim Creek Consolidated N.L.
West Perth, Western Australia

BOLIVIA

Asociación Nacional de Mineros
Medianos
La Paz

BRAZIL

Caraíba Metais S.A. Indústria e
Comercio
Salvador, Bahia
Colonização Mineração Indústria e
Agropecuária Ltda.
Manaus, Amazonas
Cia. de Mineração dos Gualaxos
Belo Horizonte, Minas Gerais
Cia. Siderúrgica Nacional
Ouro Preto, Minas Gerais
Departamento Nacional da Produção
Mineral
Brasilia, D.F.
Dragagem Fluvial, S.A.
Rio de Janeiro, RJ
Itagipe S.A. Empresa Brasileira
de Mineração (AR)
Salvador, Bahia
Mina Tinhutuva Ltda.
Campo Largo, Paraná
Mineração Itajubatiba Ltda.
Campina Grande, Paraíba
Mineração Morro Velho S.A.
Nova Lima, Minas Gerais
Mineração Ribeirão do Ouro Ltda.
Curitiba, Paraná
Mineração Rio das Mortes S.A.
Rio de Janeiro, RJ
Mineração Tejucana S.A.
Belo Horizonte, Minas Gerais
Minérios Gaspar Ltda.
Florianópolis, Santa Catarina
Minesul S.A. Mineração
São Sepé, Rio Grande do Sul
Ouro Aluvionar Ltda.
Mariana, Minas Gerais
São Bento Mineração S.A.
Belo Horizonte, Minas Gerais

CANADA

Agnico-Eagle Mines Ltd.
Toronto, Ontario
Bachelor Lake Gold Mines, Inc.
Montreal, Quebec
Barrier Reef Resources Ltd.
Vancouver, British Columbia
Brinco Mining Limited
Vancouver, British Columbia
Camflo Mines Limited
Toronto, Ontario
Campbell Red Lake Mines Ltd.
Toronto, Ontario
Cominco Limited
Vancouver, British Columbia
Consolidated Cinola Mines Ltd.
Vancouver, British Columbia
Consolidated Rambler Mines Ltd.
Saint John, New Brunswick
Corporation Falconbridge Copper
Toronto, Ontario
Dankoe Mines Limited
Keremeos, British Columbia
Dejour Mines Limited
Toronto, Ontario
Dickenson Mines Limited
Toronto, Ontario
Dome Mines Limited
Toronto, Ontario
Du Pont of Canada Exploration Ltd.
Vancouver, British Columbia
Echo Bay Mines Limited
Edmonton, Alberta
Energy, Mines & Resources, Canada
Ottawa, Ontario
Equity Silver Mines Limited
Vancouver, British Columbia
Erickson Gold Mines Limited
Vancouver, British Columbia
Giant Yellowknife Mines Limited
Toronto, Ontario
Hollinger Argus Limited
Toronto, Ontario
Hudson Bay Mining & Smelting
Company Limited
Toronto, Ontario
INCO Limited
Toronto, Ontario
Kerr Addison Mines Limited
Toronto, Ontario
Kidd Creek Mines Limited
Toronto, Ontario
Lacana Mining Corporation
Toronto, Ontario
Little Long Lac Gold Mines Ltd.
Toronto, Ontario
Lynx-Canada Explorations Ltd.
Toronto, Ontario
Mattabi Mines Limited
Toronto, Ontario
The Mosquito Creek Gold Mining
Company Limited
Calgary, Alberta
Newmont Mines Limited
Vancouver, British Columbia
Noranda Mines Limited
Murdochville, Quebec
Noranda Sales Corporation Ltd.
Toronto, Ontario
Northair Mines Limited
Vancouver, British Columbia
Northgate Exploration Limited
Toronto, Ontario
Pamour Porcupine Mines, Limited
Timmins, Ontario
Pegasus Gold Limited
Vancouver, British Columbia
Quebec Sturgeon River Mines Ltd.
Toronto, Ontario
Rayrock Resources Limited
Toronto, Ontario
Renabie Mines Limited
Vancouver, British Columbia
Scottie Gold Mines Limited
Vancouver, British Columbia
SOQUEM
Sainte Foy, Quebec
Teck Corporation
Val d'Or, Quebec
United Keno Hill Mines Limited
Toronto, Ontario
Utah Mines Limited
Vancouver, British Columbia
Westmin Resources Limited
Vancouver, British Columbia
Wilanour Resources Limited
Toronto, Ontario

CHILE

Compañía Minera y Comercial
Sali Hochschild S.A.
Santiago
Corporación Nacional del Cobre
Santiago
Servicio Nacional de Geología
y Minería
Santiago

COLOMBIA

Mineros de Antioquía, S.A.
Medellín

DOMINICAN REPUBLIC

Rosario Dominicana, S.A.
Santo Domingo

ECUADOR

Dirección General de Geología
y Minas
Quito

FINLAND

Outokumpu Oy
Helsinki

FRANCE

Mines et Produits Chimiques de Salsigne
Conques sur Orbeil

GERMAN FEDERAL REPUBLIC

Metallgesellschaft, AG
Frankfurt

GHANA

Ashanti Goldfields Corporation
(Ghana) Limited
Accra

GREAT BRITAIN

Consolidated Gold Fields Ltd.
London

INDIA

Bharat Gold Mines Limited
Karnataka
Hindustan Copper Limited
Calcutta
The Hutti Gold Mines Co., Ltd.
Karnataka
Indian Bureau of Mines
Nagpur
Luxmi Traders
Calcutta

INDONESIA

PT Aneka Tambang
Jakarta

JAPAN

Akenobe Mines Company Limited
Hyogo
Asahi Mines Company Limited
Hyogo
Chitose Mines Company Limited
Hokkaido
Dowa Mining Company Limited
Tokyo
Hanawa Mines Company Limited
Akita
Hosokura Mines Company Limited
Miyagi
Iwami Mines Company Limited
Shimane
Iwato Mines Company Limited
Kagoshima
Japan Mining Industry Association
Tokyo

JAPAN Continued

Jokoku Mines Company Limited
Hokkaido
Kabutoyama Mines Company Ltd.
Hiroshima
Kamaishi Mines Company Ltd.
Iwate
Kasuga Mines Company Ltd.
Kagoshima
Koryu Mines Company Limited
Hokkaido
Kowa Mines Company Limited
Fukuoka
Kuga Mines Company Limited
Yamaguchi
Kushikino Mines Company Ltd.
Kagoshima
Mikkaichi Mines Company Ltd.
Toyama
Minami Furutobe Company Ltd.
Akita
Mitsubishi Metal Corporation
Tokyo
Mitsui Mining & Smelting
Company Limited
Tokyo
Miyauchi Akashi Co., Ltd.
Kagoshima
Mochikoshi Mines Company Ltd.
Shizuoka
Nakatatsu Mines Company Ltd.
Fukui
Nebazawa Mines Company Ltd.
Gunma
Nippon Mining Company Ltd.
Tokyo
Ooe Mines Company Limited
Hokkaido
Oomidani Mines Company Ltd.
Hyogo
Sado Mines Company Limited
Niigata
Sakoseoodomari Company Ltd.
Hyogo
Sanru Mines Company Limited
Hokkaido
Shakanai Mines Company Ltd.
Akita
Sumitomo Metal Mining Co.,
Ltd.
Tokyo
Todoroki Mines Company Limited
Hokkaido
Toyoha Mines Company Limited
Tokyo
Tsumo Mines Company Limited
Shimane
Yatani Mines Company Limited
Yamagata

MEXICO

Compañía Fresnillo, S.A.
México, D.F.
Compañía Minera de Cananea, S.A.
México, D.F.
Compañía de Real del Monte y
Pachuca, S.A.
Pachuca, Hidalgo
Frisco, S.A. de C.V.
México, D.F.
Grucat S.A. de C.V.
México, D.F.
Industrial Minera México, S.A.
de C.V.
México, D.F.
Industrias Luismin, S.A. de C.V.
México, D.F.
Industrias Peñoles, S.A.
México, D.F.

NEW ZEALAND

Kanieri Gold Dredging Limited
Greymouth

PAPUA NEW GUINEA

Bougainville Copper Limited
Bougainville

PERU

Cía. de Minas Buenaventura, S.A.
Lima
Cía. Minera Milpo, S.A.
Lima
Empresa Minera del Centro del Perú
Lima

PHILIPPINES

Apex Mining Company, Inc.
Pasig, Metro Manila
Atlas Consolidated Mining & Development Corporation
Makati, Metro Manila
Atok-Big Wedge Mining Co., Inc.
Makati, Metro Manila
Baguio Gold Mining Company
Pasig, Metro Manila
Basay Mining Corporation
Makati, Metro Manila
Benguet Corporation
Makati, Metro Manila
Benguet Exploration, Inc.
Makati, Metro Manila
Bureau of Mines & Geo-Sciences
Manila
Itogon-Suyoc Mines, Inc.
Ermita, Manila
Lepanto Consolidated Mining Company, Inc.
Makati, Metro Manila
Manila Mining Corporation
Makati, Metro Manila
Marcopper Mining Corporation
Makati, Metro Manila
Marinduque Mining & Indl. Corp.
Makati, Metro Manila
North Davao Mining Corporation
Makati, Metro Manila
Philex Mining Corporation
Pasig, Metro Manila
Surigao Consolidated Mining Company, Inc.
Pasig, Metro Manila
Vulcan Industrial & Mining Corp.
Mandaluyong, Metro Manila

PORTUGAL

Minas de Jalles, Lda.
Lisboa

SOUTH AFRICA

Barberton Mines
Johannesburg
Blyvooruitzich Gold Mining Co., Ltd.
Johannesburg
Bracken Mines Ltd.
Johannesburg
Buffelsfontein Gold Mining Co., Ltd.
Johannesburg
Chamber of Mines of South Africa
Johannesburg
Deelkraal Gold Mining Co., Ltd.
Johannesburg
Doornfontein Gold Mining Co., Ltd.
Johannesburg
Durban Roodepoort Deep Ltd.
Johannesburg
East Driefontein Gold Mining Co., Ltd.
Johannesburg
East Rand Proprietary Mines Ltd.
Johannesburg
Elandsrand Gold Mining Co., Ltd.
Johannesburg
Free State Geduld Mines, Ltd.
Johannesburg
Free State Saaiplaas Gold Mining Company Limited
Johannesburg
The Grootvlei Proprietary Mines Ltd.
Johannesburg
Harmony Gold Mining Co., Ltd.
Johannesburg
Hartebeestfontein Gold Mining Co., Ltd.
Johannesburg
Kinross Mines Limited
Johannesburg
Kloof Gold Mining Co., Ltd.
Johannesburg
Leslie Gold Mines Limited
Johannesburg
Libanon Gold Mining Co., Ltd.
Johannesburg
Loraine Gold Mines, Ltd.,
Johannesburg

SOUTH AFRICA Continued

Marievale Consolidated Mines Ltd.
Johannesburg
President Brand Gold Mining
Company Limited
Johannesburg
President Steyn Gold Mining
Company Limited
Johannesburg
Randfontein Estates Gold Mining
Company Limited
Johannesburg
St. Helena Gold Mines Ltd.
Johannesburg
Stilfontein Gold Mines Ltd.
Johannesburg
Unisel Gold Mines Limited
Johannesburg
Vaal Reefs Exploration and
Mining Company, Ltd.
Johannesburg
Venterspost Gold Mining Company
Limited
Johannesburg
Welkom Gold Mining Co.
Johannesburg
West Driefontein Gold Mining
Company Limited
Johannesburg
Western Areas Gold Mining
Company, Limited
Johannesburg
Western Deep Levels, Ltd.
Johannesburg
Western Holdings, Ltd.
Johannesburg
West Rand Consolidated Mines Ltd.
Johannesburg
Winkelhaak Mines Limited
Johannesburg

SPAIN

Rio Tinto Minera, S.A.
Madrid

SWEDEN

Boliden Mineral AB
Boliden

UNITED STATES

American Bureau of Metal Statistics
New York, New York
Amoco Minerals Company
Englewood, Colorado
Amselco Natural Resources, Inc.
Denver, Colorado
Anaconda Minerals Company
Denver, Colorado
Arizona Juno Resources, Inc.
Boulder City, Nevada
J. Aron & Company, Inc.
New York, New York
Asamera Minerals, Inc.
Sparks, Nevada
Asarco Incorporated
New York, New York
Brooks Minerals, Inc.
Lakewood, Colorado
Callahan Mining Corporation
Phoenix, Arizona
Coeur d'Alene Mines Corporation
Wallace, Idaho
Duval Corporation
Houston, Texas
Federal Resources Corporation
Salt Lake City, Utah
Freeport Gold Company
Elko, Nevada
Freeport Indonesia, Inc.
New York, New York
Getty Oil Company
Los Angeles, California
The Goldfield Corporation
Albuquerque, New Mexico
Gold Fields Mining Corporation
New York, New York
Golden Cycle Gold Corporation
Colorado Springs, Colorado
Gulf Mineral Resources Company
Denver, Colorado
Hecla Mining Company
Wallace, Idaho
Hendricks Mining Company, Inc.
Nederland, Colorado
Homestake Mining Company
San Francisco, California
Houston International Minerals Corp.
Hawthorne, Nevada
Inspiration Consolidated Copper Co.
Phoenix, Arizona

UNITED STATES Continued

Intermountain Exploration Co.
Boulder City, Nevada
Iron Mountain Mines, Inc.
Sacramento, California
Kay Mining & Milling Corp.
Las Vegas, Nevada
Kennecott Corporation
Trumbull, Connecticut
Little Squaw Gold Mining Co.
Spokane, Washington
Lode Star Gold Mines, Inc.
Sun City, Arizona
Louisiana Land & Exploration
Company
Lakewood, Colorado
Magma Copper Company
New York, New York
MAPCO Minerals Corporation
Golden, Colorado
Napias Mining Company
Idaho Falls, Idaho
Navajo Minerals Company
San Francisco, California
Newmont Mining Corporation
New York, New York
Newpark Resources, Inc.
Metairie, Louisiana
Phelps Dodge Corporation
New York, New York
Placer Amex, Inc.
San Francisco, California
Ranchers Exploration &
Development Corporation
Albuquerque, New Mexico
Rosario Resources Corporation
Greenwich, Connecticut
Standard Metals Corporation
New York, New York
The Standard Slag Company
Reno, Nevada
St. Joe International Corp.
New York, New York
Union Carbide Corporation
Danbury, Connecticut
U.S. Bureau of Mines
Washington, D.C.

ZAIRE

La Générale des Carrières et
des Mines
Lubumbashi

ZAMBIA

Central Statistical Office
Lusaka